

Medium Resolution Vegetation Phenology and Productivity: End-of-season value (raster 500m), Oct. 2022

The End-of-Season Value (EOSV), one of the Vegetation Phenology and Productivity (VPP) parameters, is a product of the pan-European Medium Resolution Vegetation Phenology and Productivity (MR-VPP) component of the Copernicus Land Monitoring Service (CLMS).

The End-of-Season Value (EOSV) provides the value of the Plant Phenology Index (PPI) at the end of the vegetation growing season.

The Plant Phenology Index (PPI) is a physically based vegetation index, developed for improving the monitoring of the vegetation growth cycle. The PPI index values, with 5-day satellite revisit cycle, are first used in a function fitting to derive the PPI Seasonal Trajectories. From these Seasonal Trajectories, a suite of 13 Vegetation Phenology and Productivity (VPP) parameters are then computed and provided, for up to two seasons each year. The End-of-Season Value (EOSV) is one of the 13 parameters. The full list is available in the Product User Manual: https://land.copernicus.eu/user-corner/technical-library/clms.mrvpp.pum.d1-0.pdf

The End-of-Season Value (EOSV) time series dataset is made available as raster files with 500x 500m resolution, in ETRS89-LAEA projection corresponding to the MCD43 tiling grid, for those tiles that cover the EEA38 countries and the United Kingdom and for two seasons in each year from 2000 onwards. It is updated in the first quarter of each year.

The full on-line access to open and free data for this resource will be made available in the second half of 2024. Until then the data will be made available 'on-demand' by filling in the form at: https://land.copernicus.eu/contact-form

Simple

Date (Creation)	2022-06-08				
Date (Publication)	2022-10-10				
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Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
	European Commission			https://commission europa.eu	. Owner
	Copernicus Land Monitoring Service		copernicus@eea europa.eu	https://land. copernicus.eu	Custodian
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	Copernicus Land Monitoring Service helpdesk		copernicus@eea europa.eu	https://land. copernicus.eu/en /contact-service- helpdesk	Point of contact
Maintenance and update frequency	Annually				
GEMET - INSPIRE themes, version 1.0	Environmental monitoring facilities Orthoimagery Habitats and biotopes				
Keywords					
Continents, countries, sea regions of the world.	United Kingdom EEA38 (from 2020)				
Keywords					

GEMET	plant ecology	
	• productivity	
	• land	
	• vegetation	
	plant production	
	remote sensing	
	• index	
Spatial scope	European	
Temporal resolution	Annually	
EEA topics	Agriculture and food	
EEA topics	Land use	
	Forests and forestry	
Access constraints	Other restrictions	
Other constraints	no limitations to public access	
Use constraints	Other restrictions	
Other constraints	The Copernicus component is governed by Regulation (EU) No 2021/696 of the European Parliament and of the Council of 28 April 2021 establishing the Union Space Programme and the European Union Agency for the Space Programme and repealing Regulations (EU) No 912/2010, (EU) No 1285/2013 and (EU) No 377/2014 and Decision No 541/2014/EU. Within the Copernicus component, a portfolio of land monitoring activities has been delegated by the European Union to the European Environment Agency (EEA) and the DG Joint Research Centre of the European Commission.	
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Spatial representation type	Grid	
Distance	500 m	
Language of dataset	English	
Character set	UTF8	
Topic category	Environment Imagery base maps earth cover Climatology, meteorology, atmosphere	

N S E W



Begin date	2000-01-01		
Coordinate reference system identifier	EPSG:3035		
Distribution format	• GeoTIFF()		
OnLine resource	Protocol WWW:LINK-1.0-httplink	Linkage https://land.copernicus.eu/user-comer/technical-library /clms_mrvpp_pum_d1-0.pdf	Name User
		como mirpo pom ar a.pa.	manual
Hierarchy level	Dataset		

Conformance result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	Vegetation Phenology and Productivity parameters (VPP) are based on Plant Phenology Index (PPI) seasonal trajectories and are yearly produced for two seasons using the Timesat software. One of the parameters is the end date of the vegetation growing season (End-of-Season Date - EOSD). The related PPI value and slope (rate of PPI change) for this date are available as well.

Metadata

File identifier	ab23f789-4810-4e9b-9ad5-0c4009d0abfc XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2024-04-02T13:52:35.079381Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0
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Overviews



